



Marshall, Gerstein & Borun
Atty Dkt.#: 19036/36614A
U.S. Serial No.: 10/054,536
Inventor: Nobutaka Wakamiya
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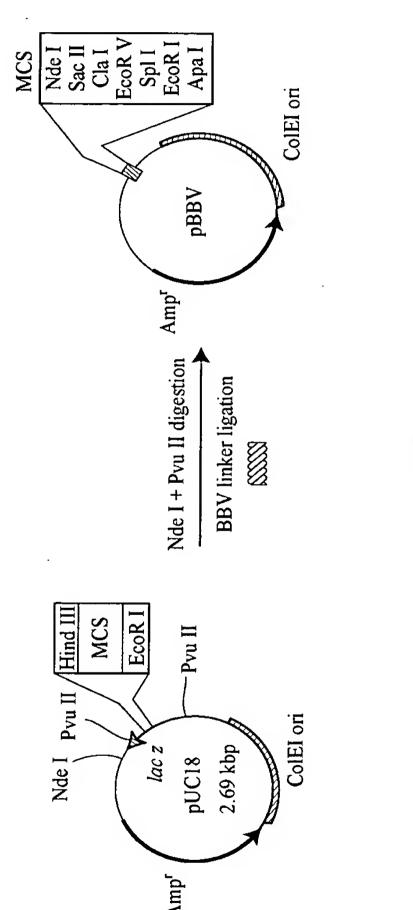


FIG. 2



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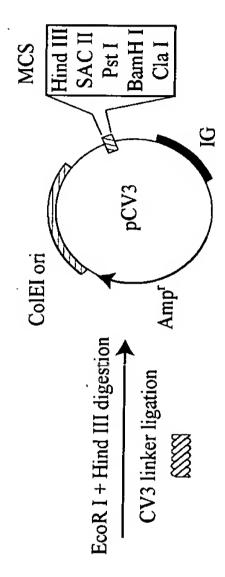
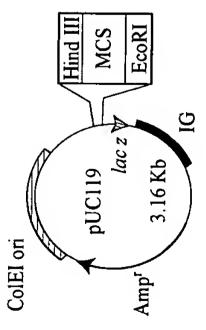


FIG. 3





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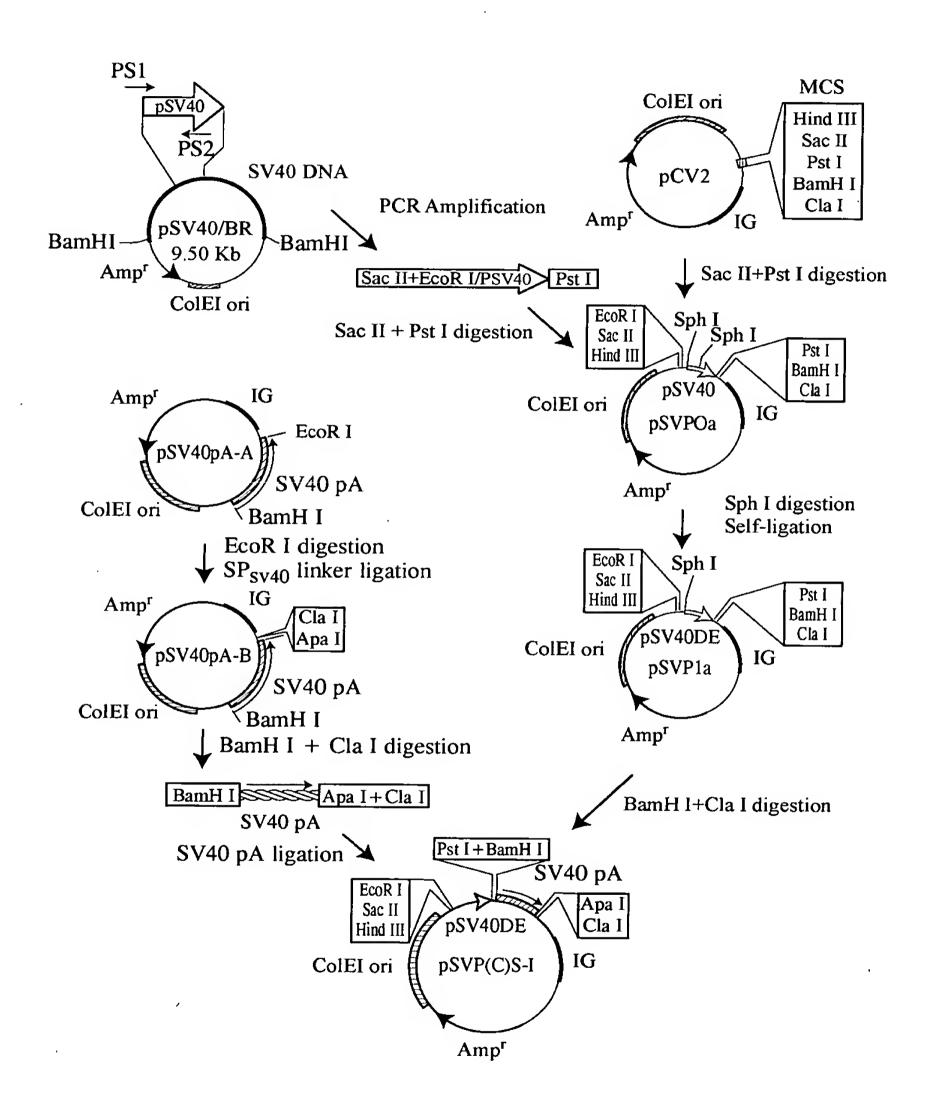


FIG. 4



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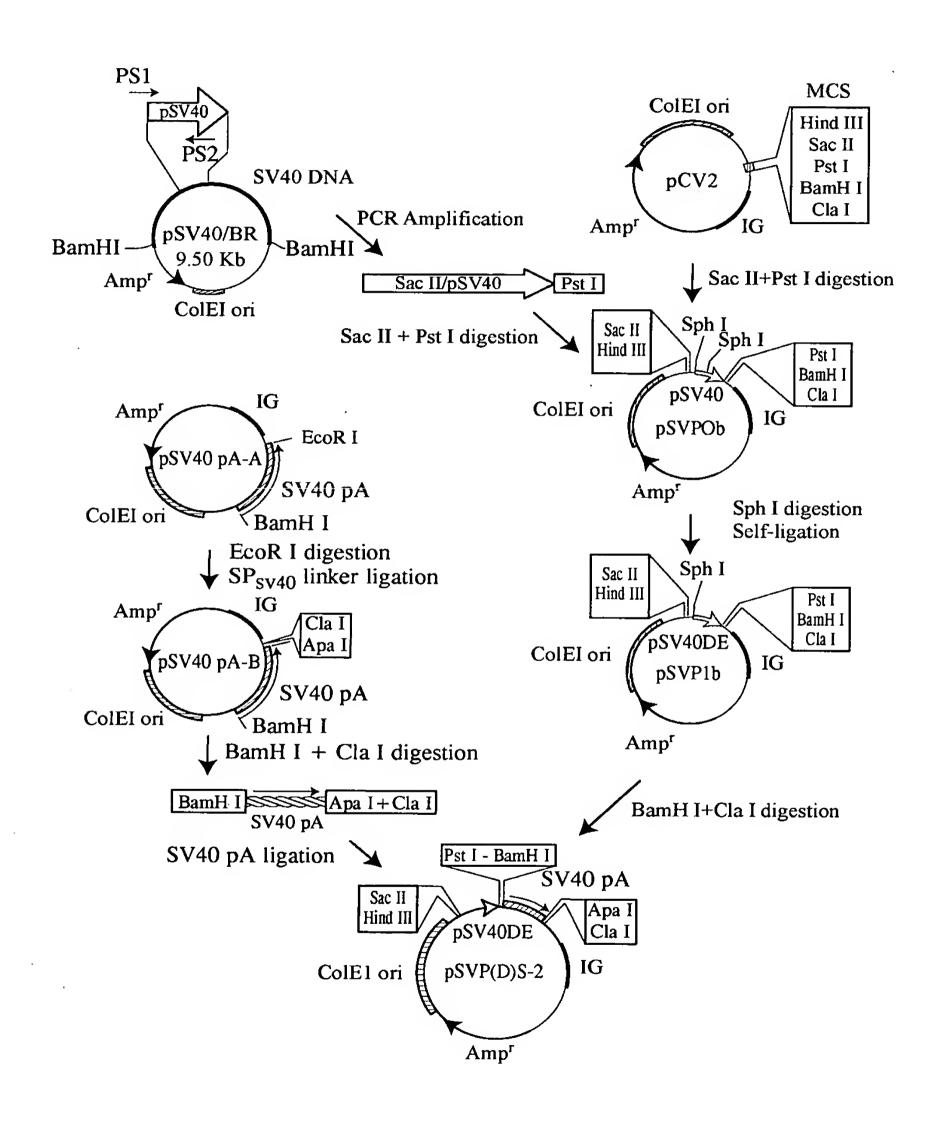


FIG. 5



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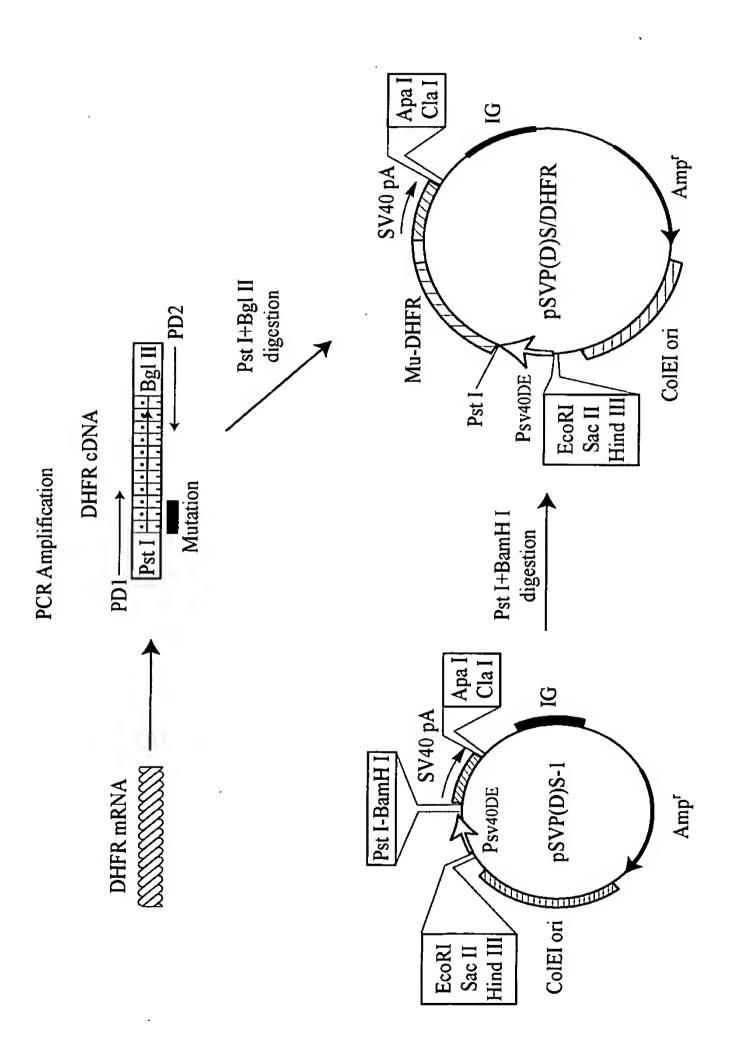


FIG. 6



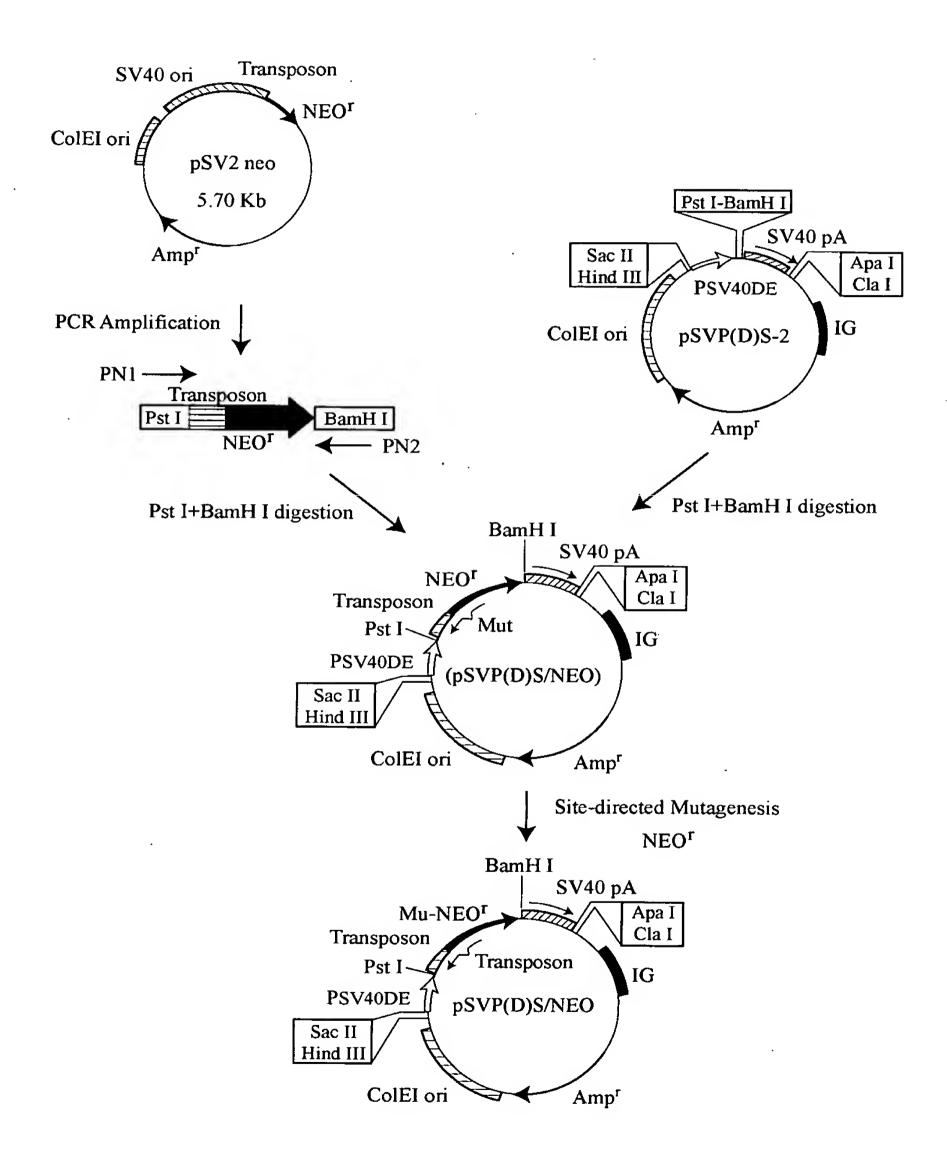
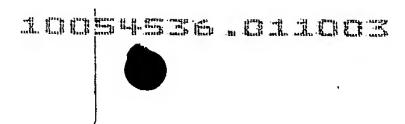


FIG. 7

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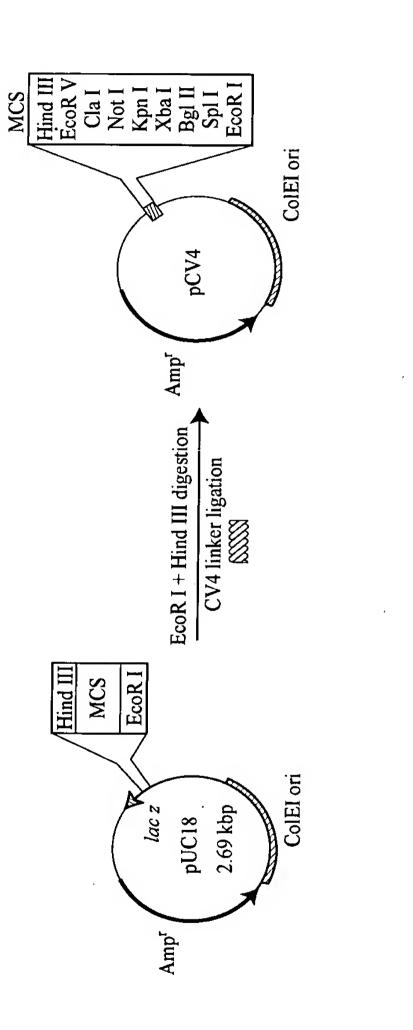


FIG. 8

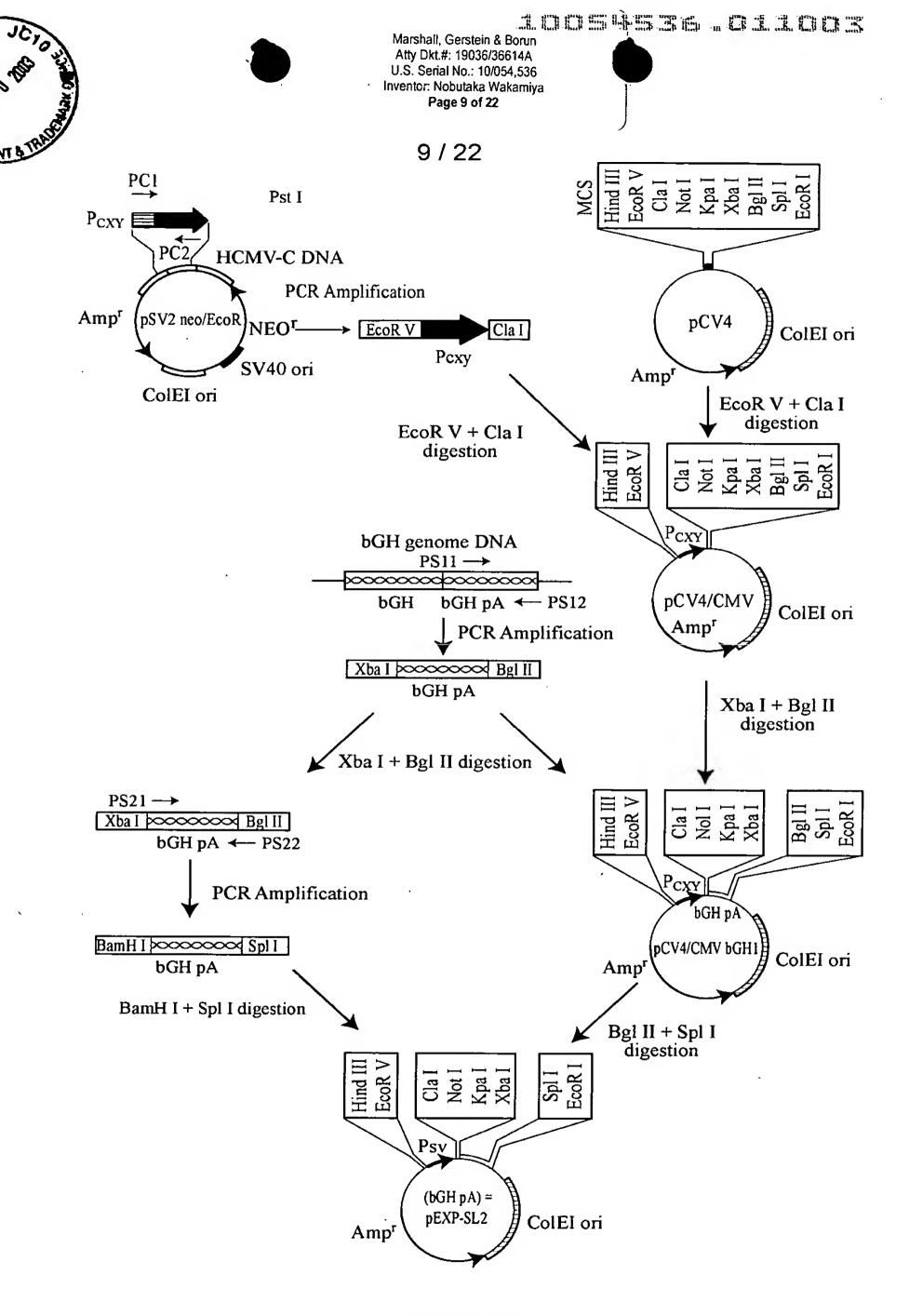
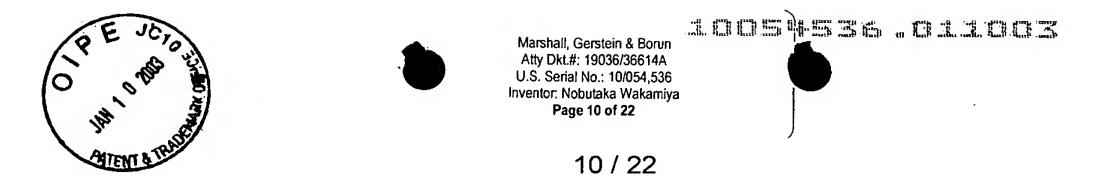


FIG. 9



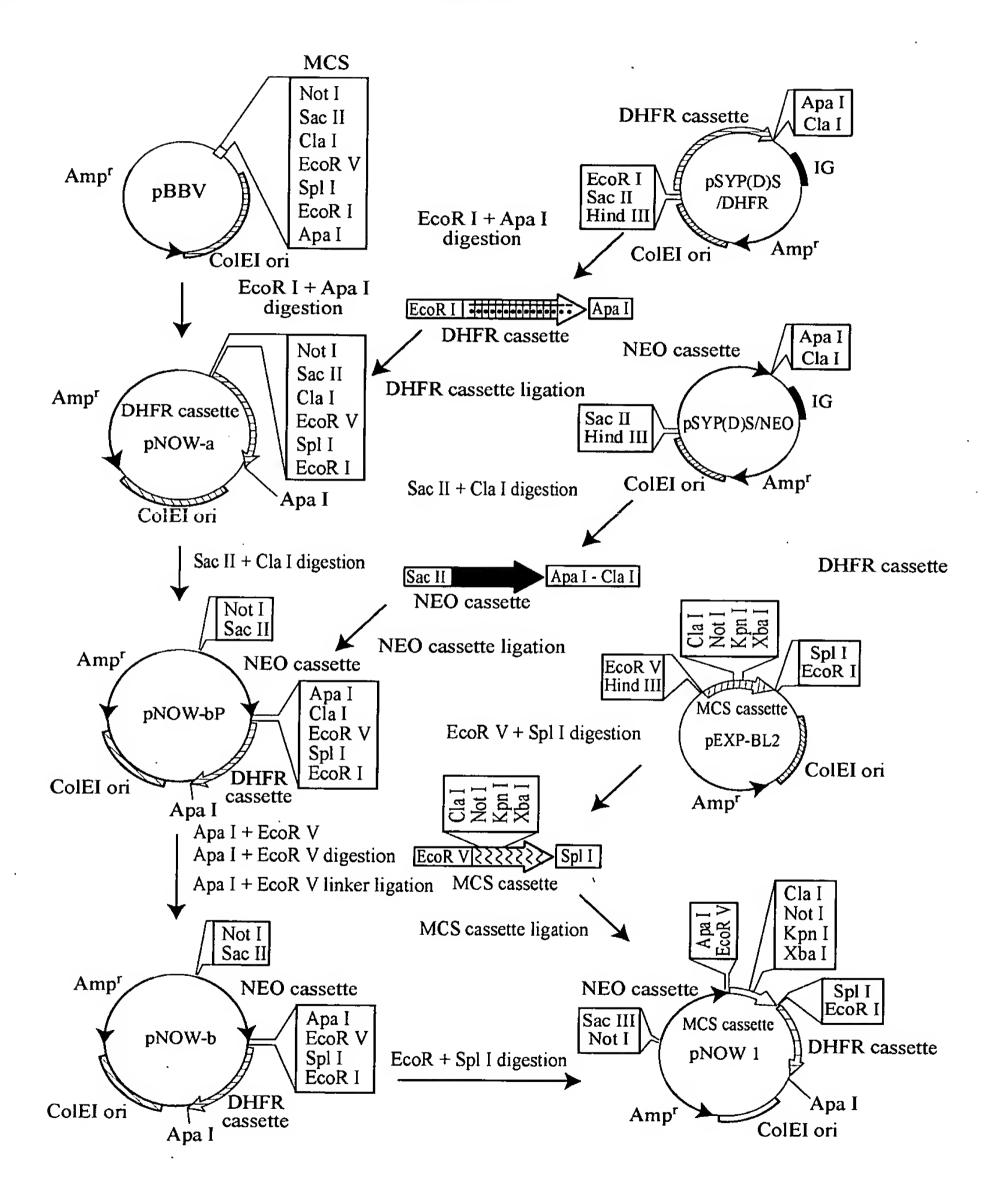
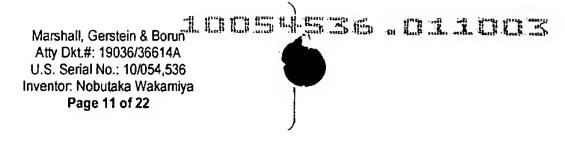
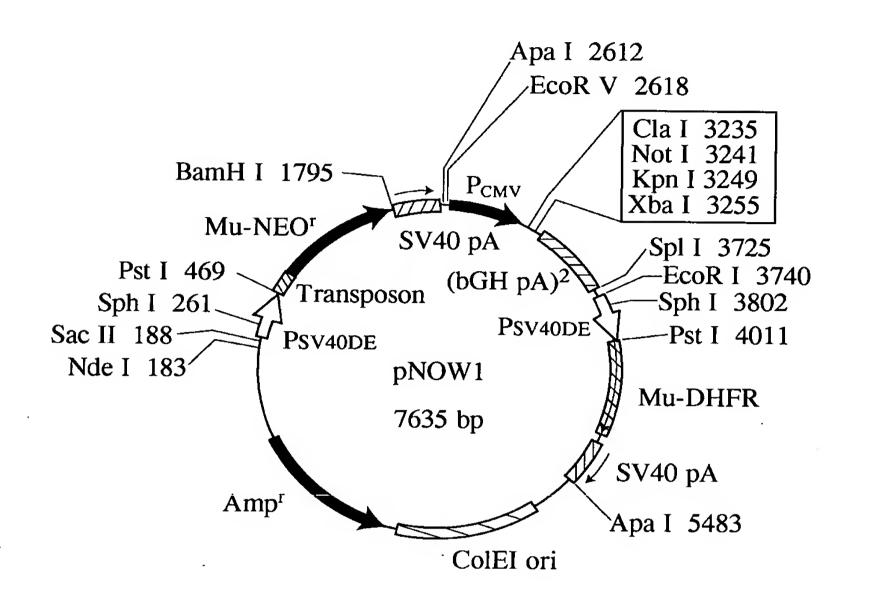


FIG. 10







Ampr Ampicillin Resistance Gene
(bGHpA)<sup>2</sup> Boyine Growth Hormone Po

(bGHpA)<sup>2</sup> Bovine Growth Hormone Polyadenylation Signal

ColEI Escherichia coli Replication Origin

Mu-DHFR DHFG Gene introduced thereinto Mutation

MU-NEO<sup>r</sup> Neomycin Resistance Gene introduced thereinto Mutation

Pcmv Human Cytomegalovirus Major Immediate-Early Antigen Promoter

PSV40DE Attenuated SV40 Promoter (including SV40 Replication Origin)

SV40pA SV40 Polyadenylation Signal

Transposon Sequence



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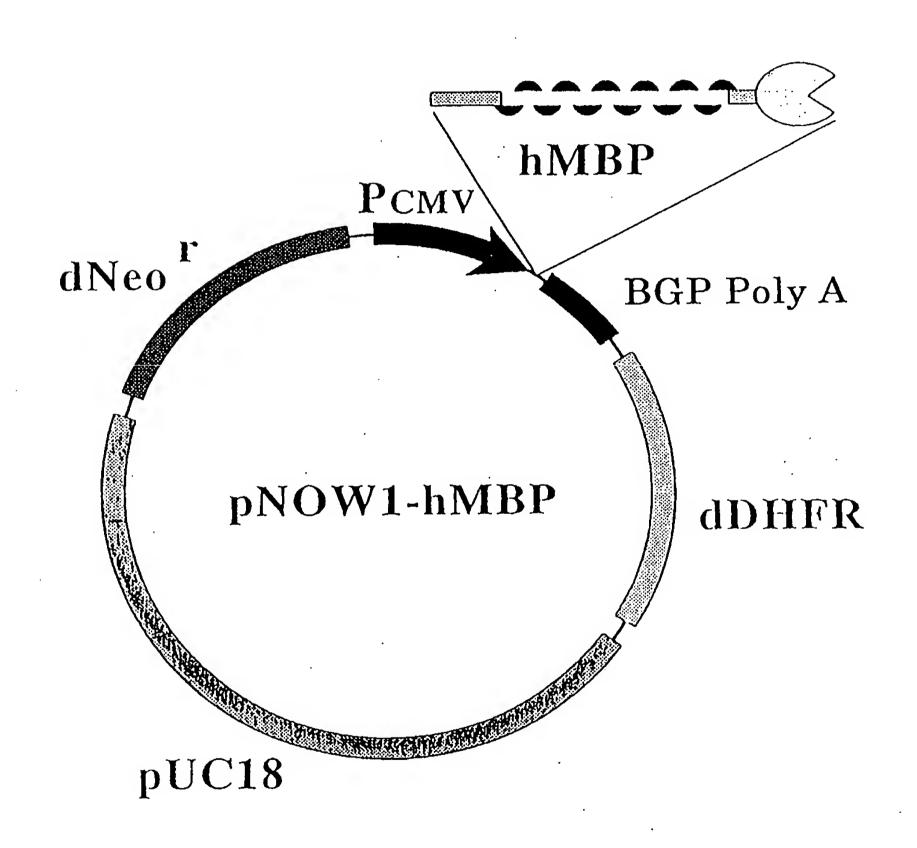
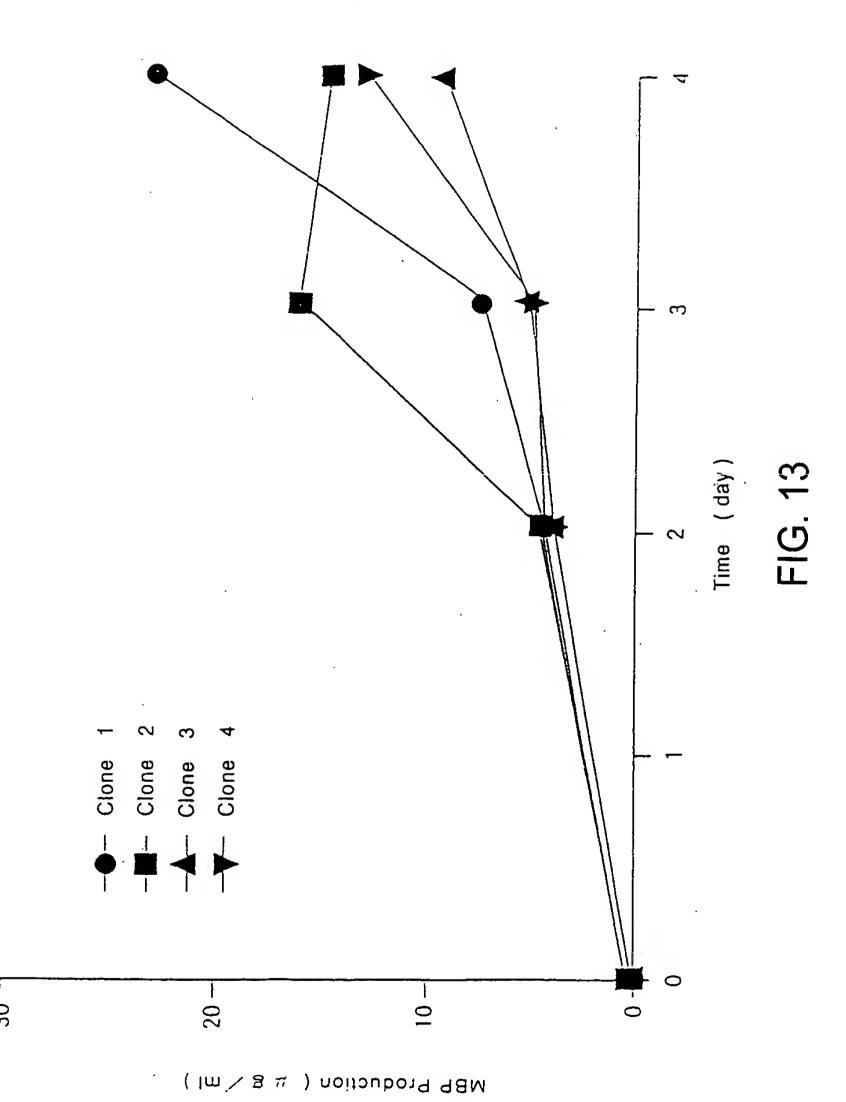


FIG. 12

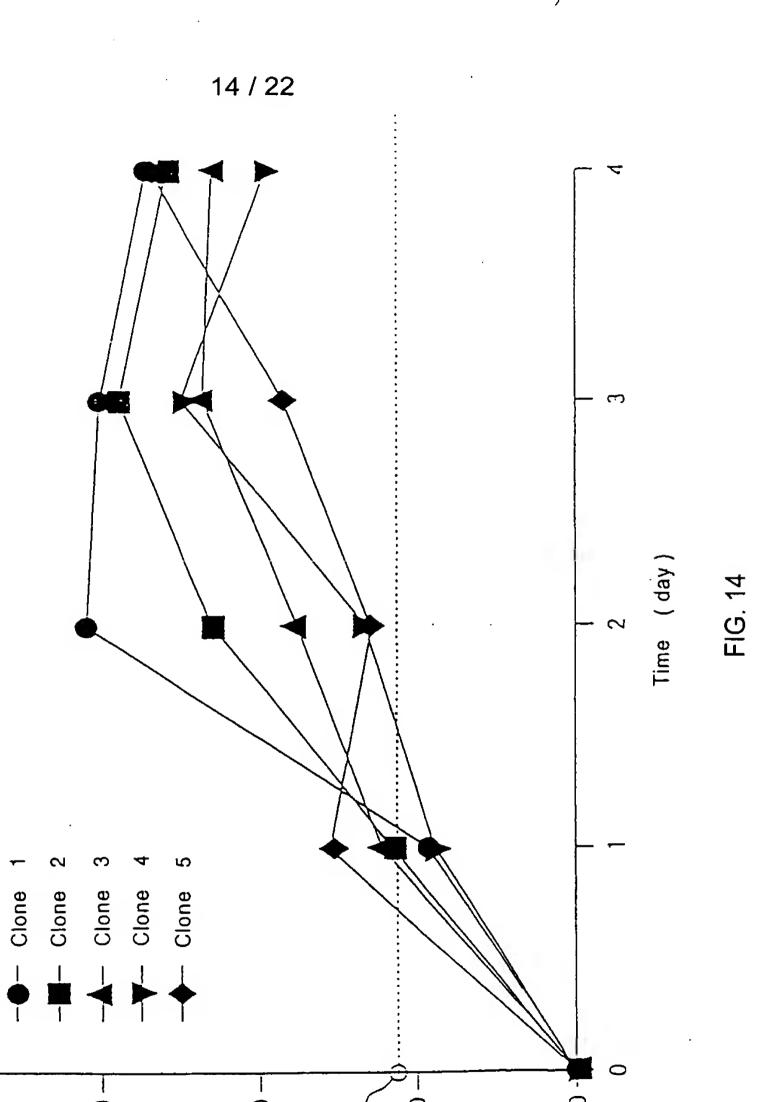


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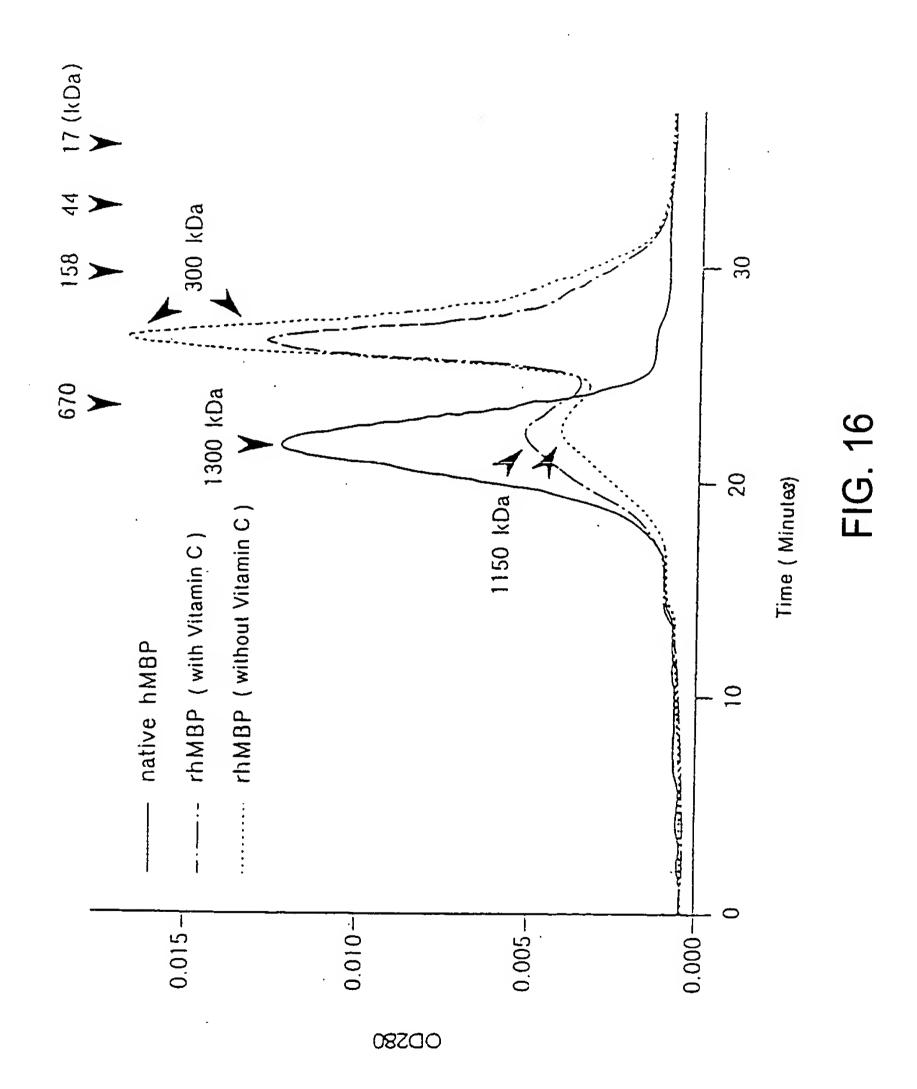
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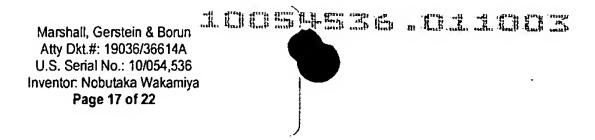
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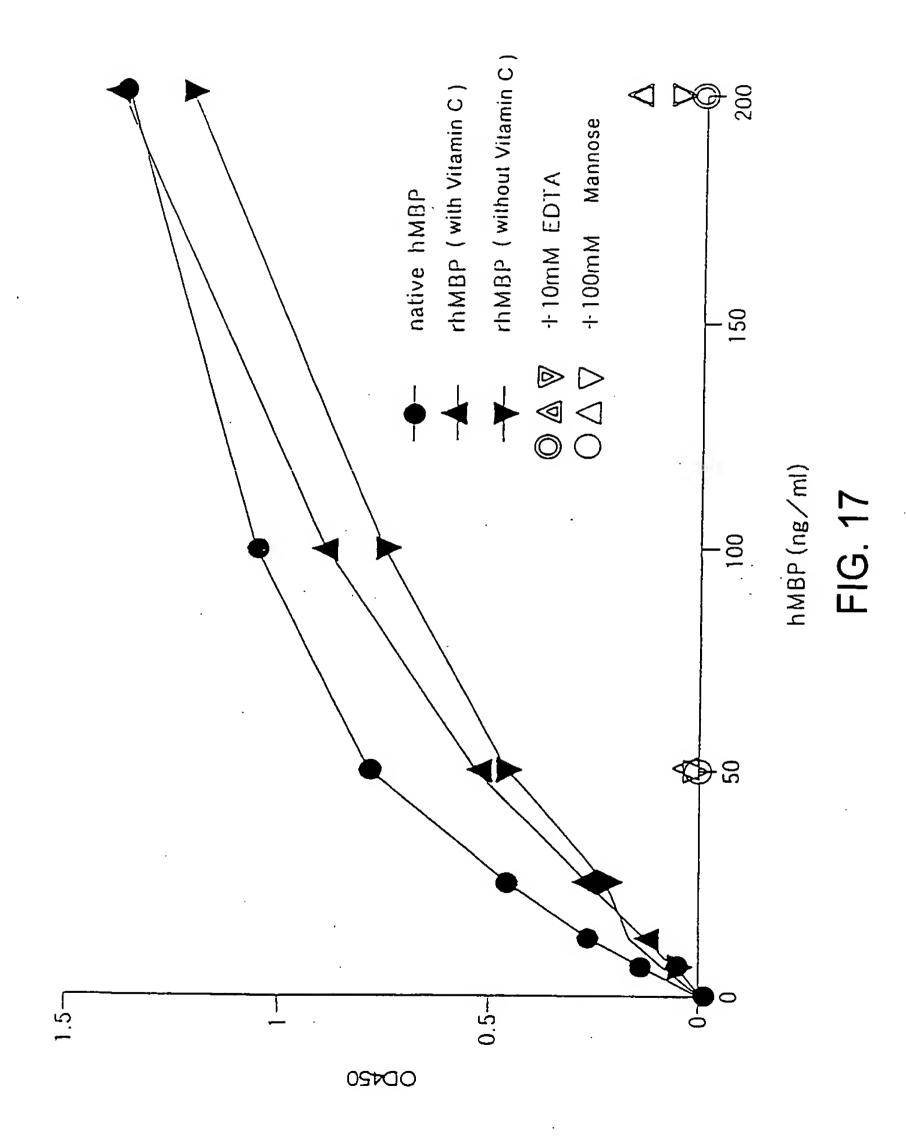
(kDa) M123	11111 699	443	140 + 111	. 99		20		native PAGE	
(kDa) M 1 2 3		175	83	62 · · · · · · · · · · · · · · · · · · ·	32.5	25	16.5	SDS-PAGE (NON-REDUCED)	1. native hMBP 2. rhMBP (with Vitamin C) 3. rhMBP (without Vitamin C)
(kDa) M 1 2 3	175 -	83 62	47.5	32.5	25	16.5	6.5	SDS-PAGE (REDUCED)	

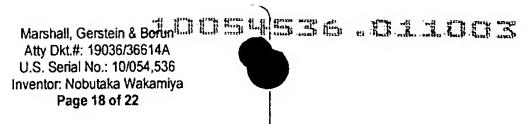
**-1G.** 15



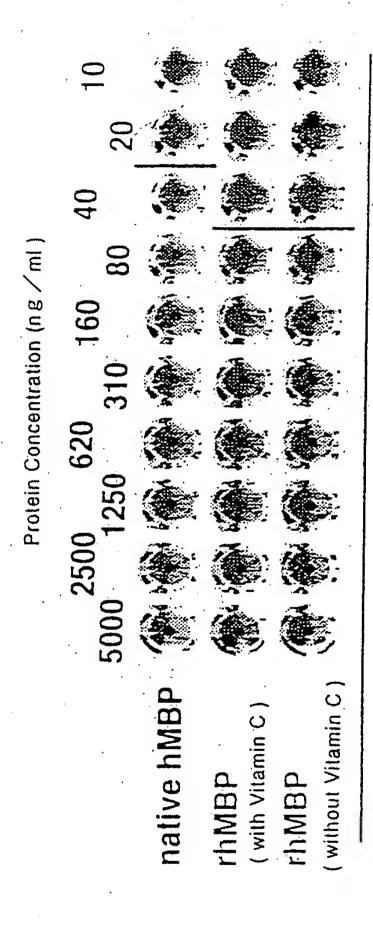




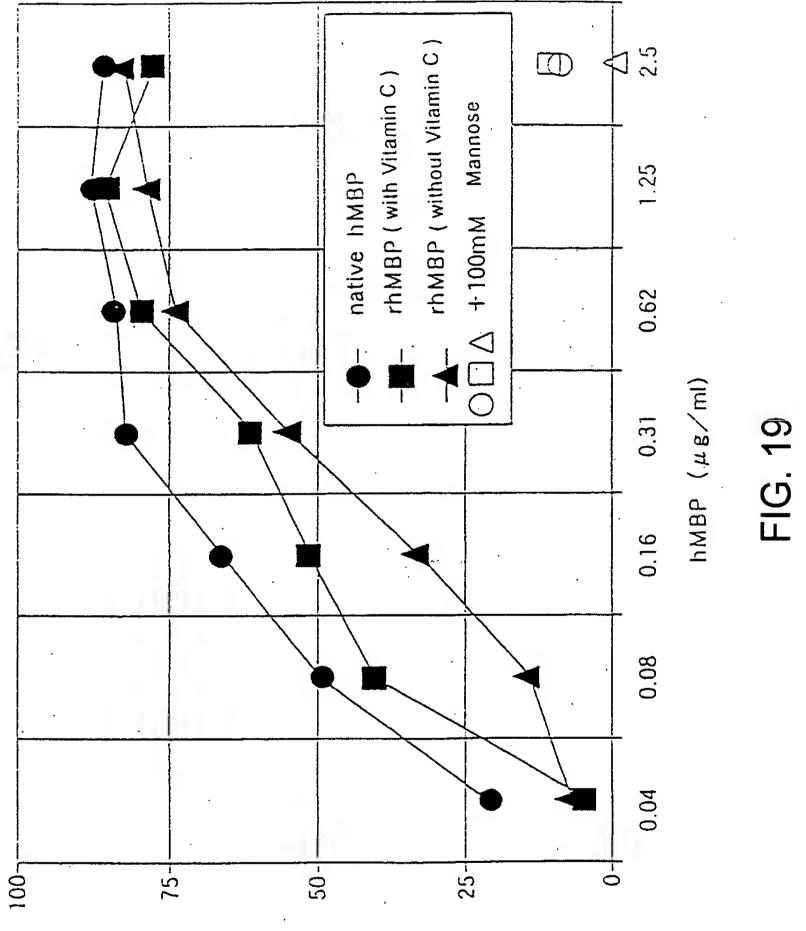












Rate of FFU decrease (%)

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influenza A viruses (H3N2) (H1N1)		<b>事</b>		+		
(H3N2)	220 –	97.4 - 66 -	46 -	3		
HBV Ag Subtype ad	220 –		66- 46-	30-	+	
gp120 gp160	<b>3</b>		-99 46-	-0	+- +- V	
	220	97.4	99 74		EDTA	

FIG. 20

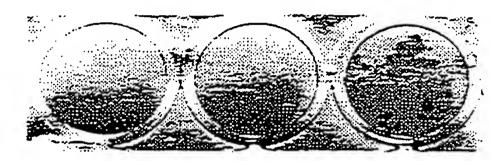




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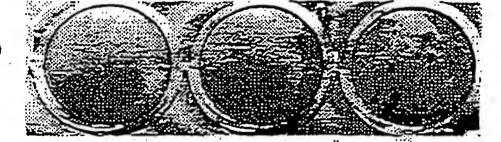
21/22





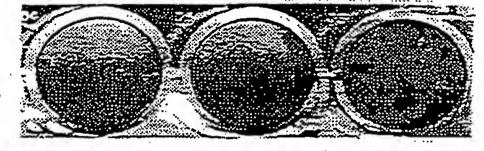
## rhMBP

( with Vitamin C ).

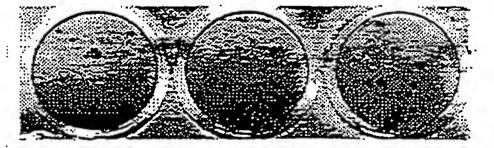


## rhMBP

( without Vitamin C )



Bovine Serum Albumin (BSA)



 $1 \mu g/ml$   $0.5 \mu g/ml$   $1 \mu g/ml$ 

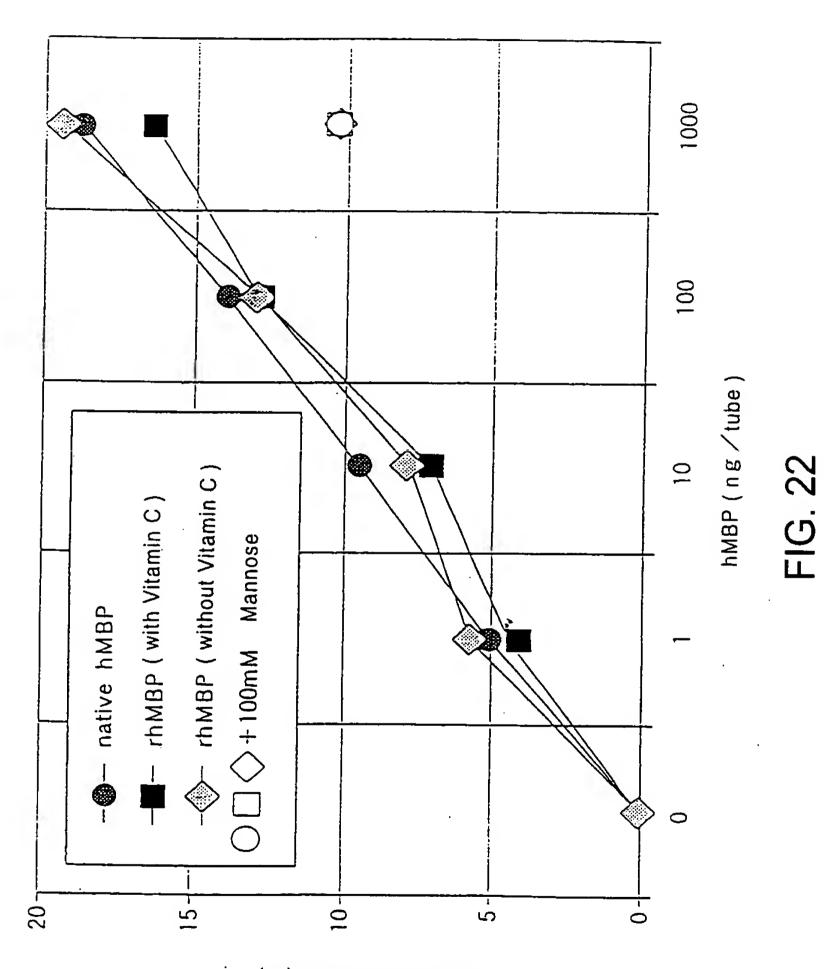
+ Mannose

Protein Concentration -

FIG. 21







SPECIFIC LYSIS (%)